DAILY FIELD ACTIVITY REPORT

PROJECT NAME: Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

DATE: August 17, 2018	**WEATHER:** Sunny, High ~90 degrees F

Personnel and Visitors Onsite:
Core Processing– CDM Smith: Jason Silvertooth; AECOM: David Hose, Rebecca Tortorello; Geosyntec: Erin Dunbar

Planned Activity:

- Process core SC-S157 at the sample processing facility.

Activity Completed:

Jason Silvertooth performed oversight of core processing at the AECOM sample processing facility from 07:00 to 11:00. Activities completed by the AECOM/Geosyntec team at the sample processing facility are as follows:

- AECOM led the daily health and safety meeting discussing PPE, exclusion zones, general work flow during sample processing, safety equipment, and emergency procedures.
- The photoionization detector (PID) was calibrated with 100 ppm isobutylene.
- A total of 8 sediment samples were collected from the sediment core from location SC-S157.
- The sediment core was photographed, screened with a PID, described in a field log following soil classification procedures in the FSP, and geotechnical field tests were performed on the core.
- All reusable equipment was decontaminated with a three-stage decontamination procedure including a tap water rinse, followed by an Alconox scrub, and finally a distilled water rinse. The initial tap water rinse water was containerized in a labeled 55-gallon drum.
- An equipment rinsate blank sample was collected from reusable sampling equipment that had been decontaminated.

Status of Schedule & Priority Work:

- Core processing has been completed on all cores collected so far and will resume when sediment coring continues at a later time to be determined.

Issues/Concerns/Resolutions (include work performed that was not planned or anticipated):
None.

Samples Collected, Measurements Made, Photographs: (List Locations, Matrix & Sample type):
No EPA split samples were collected. Sediment samples collected by AECOM/Geosyntec from subsurface sediment core SC-S157 are summarized as follows (note: sediment descriptions are simplified and AECOM/Geosyntec provided more detailed sediment descriptions in their sampling notes):

- 0-2 FT: PID reading = 0 ppm, very dark gray clayey silt
- 2-3.7 FT: PID reading = 0 ppm, very dark gray-brown silty sand
- 3.7-6 FT: PID reading = 0 ppm, very dark olive grey silty fine sand
- 6-8 FT: PID reading = 0 ppm, black (5Y 2.5/1) silty fine sand
- 8-10 FT: PID reading = 0 ppm, very dark grey silty fine sand
- 10-12.4 FT: PID reading = 0 ppm, very dark grey silty fine sand
- 12.4-14 FT: PID reading = 0 ppm, very dark grey silty fine sand
- 14-15.9 FT: PID reading = 0 ppm, very dark grey silty fine sand

Photographs of work were taken throughout the day and provided to EPA via email. Additional photos were taken and archived with a description included in the photolog Excel spreadsheet, which are maintained electronically in the ProjectWise project folder.

Borings Completed (Include total footage drilled for each boring):
No sediment coring was conducted on 8/17/18. Sampling and characterization of sediment core SC-S157, which was cored on 8/15/18, is described in the *Samples Collected* section.

Wastes Generated and How Handled:

- Sediment from processed cores that were not retained for sampling and heavily sediment laden caps, plastic sheeting, paper towels and other trash were containerized together in labeled 55-gallon drums.
- Disposable gloves, paper towels, and other general trash was containerized in a trash bag and removed for disposal in a municipal waste management dumpster.

Health and Safety Issues, Equipment Needs, Staffing:
None

Signature: Jason Silvertooth **DATE** August 17, 2018